

Works with the following brands of TVs, VCRs, DVDs,  
PVR/DVRs, CABLE BOXES, SATELLITES and more \*\*

ABC	Chaparral	Gemini	LXI	Primostar	SVA
Abex	CineVision	General	Magnavox	Princeton	Sylvania
ABS	Citizen	Instrument	Magnin	Prism	Symphonic
Accel Vision	Claron	Gibraltar	Majesic	Proced	Systemax
Accurian	Clearmaster	Go Video	Marantz	Proscan	Syntax
Acer	ClearMax	GOI	Marta	Proton	Syntax-Brilliant
Adelphia	Coby	GoldStar	Matsushita	Protron	Tagar Systems
Admiral	Colorbyte	Gradiente	Maxent	Proview	Tandy
Advent	Colour Voice	Greenhill	Media Center PC	Pulsar	Tashiko
Adventura	Comcast	Grundig	Megapower	Pye	Tatung
Aiko	Commercial	Grunpy	Megatron	Quarter	Teac
Aiwa	Solutions	Haier	MEI	Quartz	Technics
Akai	Comtronics	Hallmark	Memorex	Quasar	Techview
Albatron	Concerto	Hamilin	MGA	Qwestar	Techwood
Alco	Contec	Harley Davidson	MGN Technology	RadioShack	Teknika
Allegro	Contec/Cony	Harman/Kardon	MicroGem	RadioShack/	Telecaption
Alienware	Coolmax	Harvard	Microsoft	Realistic	Telefunken
Alieron	Coolsat	Havermi	Midland	Radox	Theta Digital
AlphaStar	Cox	Headquarter	Mind	Randex	Time Warner
Alpine	Craig	Hello Kitty	Mintek	RCA	Twax
America Action	Crosley	Hewlett Packard	Minut	Realistic	Tivo
American High	Crown	Hisense	Mitsubishi	Recoton	TMK
Americast	CTX	Hitachi	Monivision	Regal	TNCi
Amphion	Curtis Mathes	Hiteker	Montgomery Ward	Regency	Tocom
Media Works	CXC	HNS	Motorola	Regent	Toshiba
Ampro	CyberHome	Howard	Movie Time	Rembrandt	Totevision
Amtron	Cybernex	Computers	MTC	Replay TV	Touch
AMW	CyberPower	HP	Multitech	Ricavision	Tristar
Anam	Cytron	HTS	Multivision	Rio	Trottech
Anam National	Daewoo	Hughes Network	NAD	Rotel	Tusa
Antrenix	Daytron	Systems	NEC	Rowa	TV86
AOC	DBX	Humax	Nesa	Runco	TVS
Apex	Dell	Hush	Net Brazil	Sampo	Ultimate TV
Apple	Denon	Hyundai	NET-TV	Samsung	Uniden
Argo	Desay	iBUYPOWER	Next Base	Sanky	Unika
Archer	Diamond Vision	Ilo	Next Level	Sansui	Unitex
Artec	Digital Stream	IMA	Nexstech	Sanyo	United Cable
Asha	Dimensia	Infinity	Nikko	Sceptre	Universal
Aspire	Director	Infocus	Niveus Media	Scientific Atlanta	Urban Concepts
Astar	DIRECTV	Initial	Noblex	Scotch	US Digital
Audio Dynamics	Dish Network	Insignia	Norcent	Scott	USDTV
Audiovox	Dishpro	Instant Replay	Northgate	Sears	US Logic
Aventura	Disney	Integra	NSC	Sensory Science	V2
Axon	Drake	Inteq	NTC	Sharp	Vector Research
Bang & Olufsen	Dumont	Irradio	Oak	Sheng Chia	Venturer
Beaumarck	Durabrand	Janeil	Olevia	Shinco	Victor
Belcor	DVD2000	Jasco	Olympus	Shinonic	Video Concepts
Bell & Howell	Dwin	JBL	Onkyo	Shogun	Videoponic
Bell South	Dynatech	JCB	Onwa	Signal	Vidikron
Benq	Eastern	JCL	Oppo	Signature	Vidtech
Blaupunkt	Echostar	JC Penney	Optimus	Simpson	Viewmaster
Blue Parade	Eclipse	Jensen	Optoma	Singer	Viewsat
BDSS	Electroband	Jerrold	Optonica	Sonic Blue	ViewSonic
Bradford	Electrograph	JVC	Orion	Sony	ViewStar
Brilliant	Electrohome	Kawasaki	Ortron	Soundesign	Viking
Brockwood	Electrophonic	Kawasho	Pace	Sprucer	Viore
Broksonic	Emerson	KEC	Panasonic	Squareview	Vision
bydesign	Emprex	Kenwood	Pansat	SSS	Vizio
Cable Vision	Enterprise	KLH	Paragon	Stack	Voodoo
Cabletenna	Evision	Kloss Novabeam	Paysat	Standard	Voorn
Cableview	Epson	Kodak	Penney	Component	Vortex View
California Audio Labs	ESA	Koss	Philco	Star Choice	Wards
Calix	Everquest	KTV	Philips	Starcom	Waycon
Candle	Expressvu	Landel	Philips Magnavox	Stargate	Westinghouse
Canon	Fisher	Lasonic	Pilot	Starlite	White
Captive Works	Focus	Lennox	Pioneer	Starquest	Westinghouse
Carnivale	Fuji	LG	Plasmsync	STS	Xbox
Carver	Fujitsu	Linksys	Polaroid	Studio Experience	XR-1000
CCE	Funai	Liquid Video	Polk Audio	Sungate	Yamaha
Celebrity	Futuretech	Liton	Popular Mechanics	Supercable	Zenith
Celera	Garrard	Lloyd's	Portland	Supermax	Zentek
Centurion	Gateway	Loewe	Presidian	Superscan	ZT Group
Changhong	GC Electronics	Logic	Price Club	Supre Macy	
	GE	Luxman	Prime	Supreme	

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Product #00000



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North American Licensing Company, LLC  
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Birmingham, MI 48009

[www.GameChangerRemote.com](http://www.GameChangerRemote.com)

Made in China



# GAME CHANGER™

## Universal Remote Control

**ESPN** ENABLED

Replaces

**4**

Remotes

TV  
DVD  
VCR/PVR  
CBL/SAT

- Easy Set-up
- Digital Ready
- Picture in Picture Functions

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**ESPN**  
Programmable Buttons

USES 2 AAA BATTERIES (NOT INCLUDED)



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## INTRODUCTION

The GameChanger ESPN Remote Control is designed to remotely operate up to four home entertainment devices. It also features intuitive and easy-to-use keys for instant control of DVD and PVR (or DVR) components. Moreover, its sophisticated technology will allow you to consolidate your original home entertainment remote controls into one easy-to-use product. Advanced features include:

- Three ESPN (ESPN, ESPN2, EPSNU) channel keys, to be programmed by the user.
- Intuitive buttons to allow easy access to functions and menus on your DVD player, PVR (or DVR), and Cable/Satellite devices
- Direct code setup for easy device programming
- *Step-and-Set* code search and *Code Verification* for an alternate way to program devices
- Extensive code library for popular video devices including DVD players and PVRs (or DVRs)

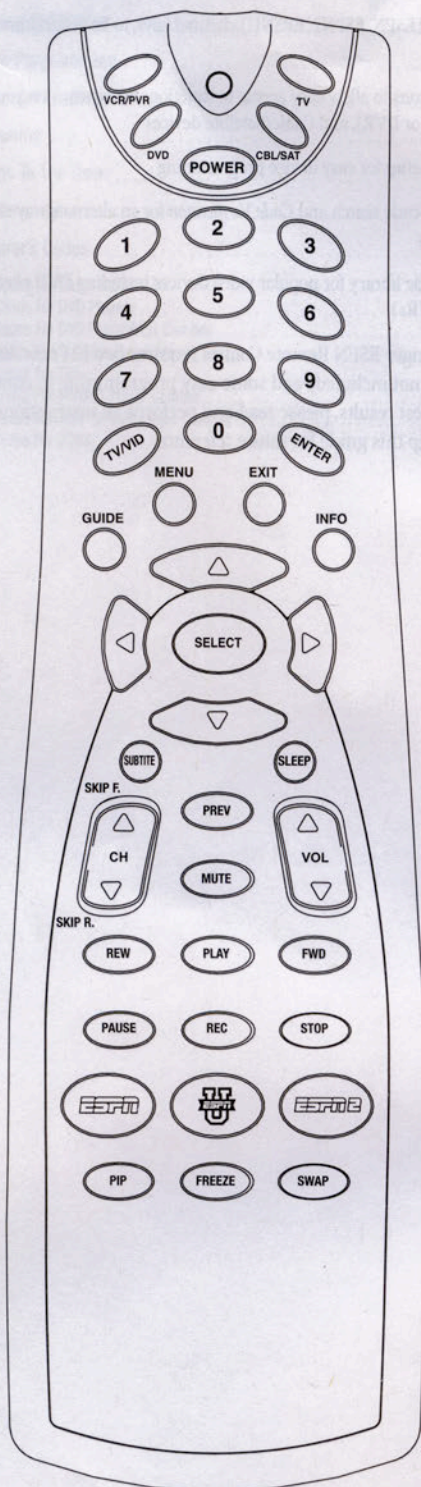
The GameChanger ESPN Remote Control requires two (2) new AAA alkaline batteries (not included) and some easy programming to control your devices. For best results, please read and perform all instructions listed here. Also, keep this guide for future reference.



## FEATURES AND FUNCTIONS

Use the illustration below to locate features on the GameChanger ESPN Remote Control and then study the *Key Charts* (on the next two pages) to learn how they function.

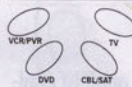
To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 6.



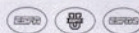
## Key Charts



When the **LED** (red light) blinks, the remote control is working and (after programming) is sending signals.



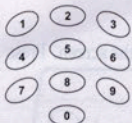
Press **VCR/PVR**, **DVD**, **CBL/SAT**, or **TV** once to select a desired home entertainment device to control. Also see the *Device Table* on page 6.



Use **ESPN**, **ESPN2**, **ESPN3** to program the ESPN channels (or another favorite channel)



Press **POWER** once to turn on or off the selected device. Use the keypad (1 ~ 9 and 0) to directly select channels (e.g., **009** or **031**).



Use **TV/VID** to switch the TV's input to view TV or video programs.



Press **ENTER** once after entering the channel numbers on some TVs.



Use **GUIDE** to display your selected device's program guide or setup menu.



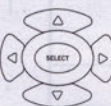
Press **MENU** once to display your selected device's main menu.



Use **EXIT** to exit from your selected device's guide or menu.



Use **INFO** to display the current channel and program or on-screen directory.



Use the **Cursor Keys** to move the cursor in the program guide and menu screens.

Use **SELECT** (OK) to choose options from your selected device's menu or guide.



Press **SUBTITLE** once to display (or turn off) subtitles or closed captions, if available on your DVD player or cable/satellite service.



Use **SLEEP** to set the sleep timer on a selected device if equipped with this feature.



Use **CH**▲ (or **CH**▼) to select the next higher (or lower) channel.



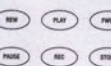
Press **PREV** returns device to the previously selected channel.



Press **MUTE** once to turn the sound off or on.

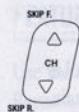


Use **VOL**▲ (or **VOL**▼) to raise (or lower) the sound volume.



Use **REW**, **PLAY**, **FWD**, **PAUSE**, or **STOP** to control your VCR, PVR (or DVR), or DVD player. Press **REC** once to record a VCR or PVR (or DVR) program.





For a DVD player, use **SKIP F.** or **SKIP R.** to view the next or previous chapter.



Used for Picture in Picture functions.

Use **PIP** to switch the Picture-In-Picture on or off (if available on your TV or cable service)

Use **SWAP** to switch images and sound between the main and window pictures (if available on your TV or cable service)

Use **FREEZE** to hold the current image still on the screen. Press again to resume the action.

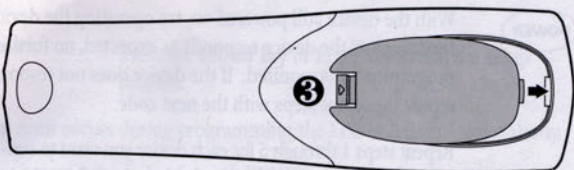
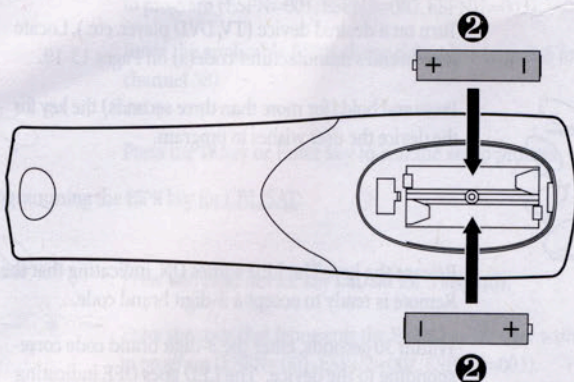
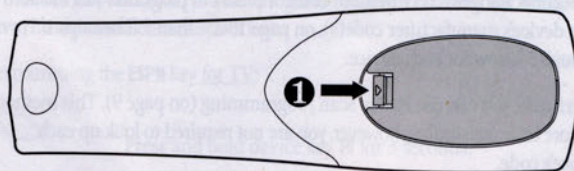
## Device Table

NOTE: Please refer to the table below when performing the instructions in "Programming Device Control" on page 8.

After programming, the ESPN College Remote Control will be able to control the following types of devices:

DEVICE KEY	CONTROLS THESE TYPES OF DEVICES
DVD	<ul style="list-style-type: none"> <li>DVD Player</li> <li>TV/DVD Player Combo</li> <li>VCR/DVD Player Combo</li> </ul>
VCR/PVR	<ul style="list-style-type: none"> <li>VCR</li> <li>TV/VCR Combo</li> <li>TV/VCR/DVD Player Combo</li> <li>VCR/DVD Player Combo</li> <li>PVR (or DVR)</li> </ul>
CBL/SAT	<ul style="list-style-type: none"> <li>Cable Box (or Converter)</li> <li>Cable Box/PVR (or DVR) Combo</li> <li>Satellite Receiver</li> <li>Satellite Receiver/PVR (or DVR) Combo</li> </ul>
TV	<ul style="list-style-type: none"> <li>Television</li> </ul>

## INSTALLING BATTERIES



- On the remote control's back, push the tab and lift off the battery cover.
- Obtain two (2) new AAA alkaline batteries. Match the + and - marks on the batteries to the + and - marks in the battery case, then insert the new batteries.
- Press the battery cover back into place. The tab should click when the cover is locked.
- Test the remote control by pressing any mode key (e.g., **TV**). If the batteries are inserted correctly, the **LED** (red light) will blink.

**IMPORTANT:** When batteries need replacement, the remote control will stop operating. Remove the old batteries and insert new ones within 10 minutes to ensure all of your programming information is restored.

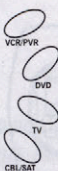



## PROGRAMMING DEVICE CONTROL

The GameChanger ESPN Remote Control is easy to program - just locate your device's manufacturer code(s), on page 13-19, then follow steps 1 through 5 below for each device.

Alternately, you can use Power Scan Programming (on page 9). This method is more time consuming, however, you are not required to look up each device's code.

To program any device:

1. Turn on a desired device (TV, DVD player, etc.). Locate your brand's manufacturer code(s) on Pages 13-19.
2.  Press and hold (for more than three seconds) the key for the device the user wishes to program.
3. Release the key. The LED comes ON, indicating that the Remote is ready to accept a 3-digit brand code.
4. Within 30 seconds, enter the 3-digit brand code corresponding to the device. The LED goes OFF, indicating that the Remote is programmed successfully.
5.  With the device still powered on, try operating the device functions. If the device responds as expected, no further programming is required. If the device does not respond, repeat the above steps with the next code.
6. Repeat steps 1 through 5 for each device you want to control. For future reference, write down each working device code in the following boxes:

VCR/PVR Code:

Device Type: \_\_\_\_\_

DVD Code:

Device Type: \_\_\_\_\_

CBL/SAT Code:

Device Type: Direct TV

TV Code:




Device Type: Steve

Panasonic  
42" HDTV




## PROGRAMMING ESPN KEYS

In the TV or CBL/SAT mode, you can program the ESPN channel (or another Favorite channel) onto the ESPN keys.

Programming the ESPN key for TV:

1.  Press and hold device key TV for 3 seconds.
2.  Enter the code that represents the ESPN key the user wishes to program (ESPN=001, ESPN2=002, ESPN3=003).
3. Enter the applicable ESPN channel number (e.g., 3-8 for channel 38)
4.  Press the TV key or Enter key to end the setup process.

Programming the ESPN key for CBL/SAT:

1.  Press and hold device key CBL/SAT for 3 seconds.
2.  Enter the code that represents the ESPN key the user wishes to program (ESPN=001, ESPN2=002, ESPN3=003).
3. Enter the ESPN channel number (e.g., 3-8 for channel 38).
4.  Press the CBL/SAT key or Enter key to end the setup process.


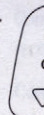

If an error occurs during programming, the LED will flash 4 times slowly.

Repeat steps 1 through 4 for each ESPN key you want to program.

## POWER SCAN PROGRAMMING

With power scan programming, the Remote tests all the codes available in the codeset database and assigns the correct one for the selected device.

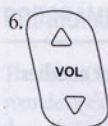
Although this method is more time consuming, it saves the user the trouble of looking up the brand codes necessary for manual programming.

1. Manually turn OFF the device the user wish to power scan (TV, PVR/DVR, VCR, DVD, satellite or cable box).
2. For more than three seconds, press and hold the appropriate device key. The LED comes ON, indicating that the Remote is in programming mode.
3.  Press and release the POWER key. The LED blinks once and stays ON, indicating that the Remote is in the power scan state.
4.  Press CH▲ or CH▼ key repeatedly until the device switches ON (CH+ key conducts a upward search while the CH- key conducts a downward search in the codeset database).
5.  When the device turns ON, press and release the SELECT key to program the remote with the new code and exit. To exit without programming, press the EXIT key.

EXIT

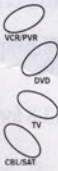

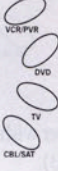








6. Press any other operable key (**VOL +/VOL -**). If the device responds, no further programming is required. If the device does not respond repeat steps 1 through 5.

To ensure that the searched code is correct for the device, the user can enter into codeset test mode while the Remote Control is in the power scan state:

1.  Press the device key for which power scan is performed. The LED blinks once and goes OFF, indicating that the Remote Control is in the codeset test mode.
2.  Switch ON the device.
3.  Press the device key again to exit codeset test mode. The LED comes ON, indicating that the Remote has returned to the power scan state.  
  
The Remote exits from the codeset test mode after thirty seconds if no other operation is performed.
4.  Press the **SELECT** key to program the Remote with the new code and exit the power scan state. To exit without programming, press the **EXIT** key.  


## PUNCH-THROUGH FEATURES

The Remote provides two punch-through features that allow users to control TV volume and DVD operation while the remote is in a different device mode.

### Volume Punch-Through

The TV Volume/Mute punch-through feature allows the user to control the volume and mute function of TV while the remote is in another device mode. The feature is applicable for all devices and brands that do not use the volume control buttons for other purposes.

### Transport Key Punch-Through

The DVD transport key punch through feature lets the user control the PLAY, STOP, PAUSE, REWIND, FF and RECORD functions of DVD while the remote operates in other modes. The feature is applicable for all devices and brands that do not use the transport keys for other purposes.

## TROUBLESHOOTING

- |                  |  |
|------------------|--|
| <b>PROBLEM:</b>  | <b>LED</b> (red light) does not blink when you press a functional key.   |
| <b>SOLUTION:</b> | Replace batteries with two new AAA alkaline batteries.   |
| <b>PROBLEM:</b>  | <b>LED</b> blinks when you press a key, but home entertainment device does not respond.  |
| <b>SOLUTION:</b> | Make sure the remote control is aimed at your home entertainment device and is not farther than 15 feet away.  |
| <b>PROBLEM:</b>  | The unit does not control home entertainment devices or commands are not working properly.   |
| <b>SOLUTION:</b> | Try all listed codes for the device brands being set up. Make sure they can be operated with an infrared remote control.   |
| <b>PROBLEM:</b>  | Changing channels does not work.   |
| <b>SOLUTION:</b> | If original remote required pressing <b>ENTER</b> or <b>SELECT</b> to change channels, press <b>ENTER</b> or <b>SELECT</b> on this remote after entering the channel number. |
| <b>PROBLEM:</b>  | <b>CH ▲</b> and <b>CH ▼</b> do not work for your RCA TV.   |
| <b>SOLUTION:</b> | Due to RCA design (1983-1987), only the original remote control will operate these functions.  |

For assistance, please contact us in any of the following ways:

- E-mail: [customerservice@GameChangerRemote.com](mailto:customerservice@GameChangerRemote.com)
- Internet: [www.GameChangerRemote.com](http://www.GameChangerRemote.com)
- Help Line: (248) 203-2989

## INSTRUCTIONS TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide a reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase separation between equipment and receiver.
- Connect equipment into an outlet or a circuit different from that to which the receiver is connected.
- Consult dealer or experienced radio/TV technician for help.



## LIFETIME WARRANTY

North American Licensing Company (NALC) warrants this product to be free from defects in materials and workmanship, under normal use, throughout the period of the product's ownership by the original purchaser. This warranty does not cover damages or failures caused by products or services not supplied by NALC, or which result from accident, misuses, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, maladjustment of consumer controls, modifications, commercial use, or that is attributable to acts of God.

There are no express warranties except as listed above. NALC SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF WARRANTY, ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

To obtain warranty service for a defective product, please return the product, preferably in the original carton, along with your purchase receipt, to the store of original purchase for the first 90 days. A note detailing the complaint would be helpful. The store, at its option, will replace or repair this product if found to be defective.

If the unit has been purchased more than 90 days ago, please return it to North American Licensing Company, LLC 266 Elm Street Birmingham, MI 48009 together with the original receipt and \$4.95 to cover postage and handling. It will be repaired or replaced at the manufacturer's option. The manufacturer reserves the right to substitute a currently manufactured model with equal or superior features.

Phone: (248) 203-2989

June 2009

## MANUFACTURER'S CODES

### Setup Codes for Cable Boxes

ABC	004, 005, 023, 037	Philips	010, 011
Adelphia	025	Pioneer	018, 033, 039
Americast	043	Popular Mechanics	041
Antronix	008, 009	Proscan	004
Archer	009	Pulsar	037
AT&T	030	Quasar	037
Bell South	043	Radio Shack	038, 042
Cable Vision	026	RCA	007, 022
Cabletenna	008	Realistic	009
Cableview	007	Recoton	041
Clearmaster	042	Regal	015
ClearMax	042	Regency	014
Colour Voice	011	Rembrandt	004
Comcast	024, 027, 036	Runco	037
Comtronics	012	Samsung	018, 039
Contec	013	Scientific Atlanta	025, 030, 032, 033, 035
Coolmax	042	Signal	038
COX	028	Signature	004
Director	036	Sony	026, 044
Eastern	014	Sprucer	022
Everquest	038	Standard Component	019
Focus	041	Starcom	023, 038
GC Electronics	009	Stargate	038
GE	004	Starquest	038
Gemini	038	Supercable	034
General Instrument	004, 027, 036	Supermax	042
Goldstar	039	TIME WARNER	029
Hamlin	015	Tocom	005
Hitachi	004	Toshiba	037
Jasco	038	Tristar	042
Jerrold	004, 023, 036, 038	Tusa	038
Memorex	016, 037	TV86	017
Motorola	024, 028, 030, 036, 045	Unika	008, 009
Movie Time	017	United Cable	023
Multitech	042	Universal	008, 009
NEC	006	V2	042
NET Brazil	031	View Star	013, 017
NSC	017	Viewmaster	042
Oak	013	Vision	042
Pace	033, 040	Vortex View	042
Panasonic	020, 022, 037	Zenith	021, 037, 043
Paragon	037	Zentek	041

### Setup Codes for DVD Players

Accele Vision	151	Astar	154
Accurian	210	Audiovox	091, 127, 133, 134, 137, 187
Advent	189	Axion	127
Akai	177	Bang & Olufsen	203
Alco	187	Blaupunkt	150, 202
Allegro	206	Blue Parade	199
Alpine	156	BOSS	152
Amphion MediaWorks	157	Broksonic	065, 213
AMW	157	California Audio Labs	184
Apex	038, 002, 029, 049, 062, 096, 201, 202	CineVision	115, 206
Apple	183	Clarion	160
Arrgo	207	Coby	030, 077, 135, 190
Aspire	191	Curtis Mathes	208

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### Setup Codes for DVD Players (continued)

CyberHome	000, 207
Cytron	176
Daewoo	059, 206
Denon	026, 071, 104, 184
Desay	166
DiamondVision	182
Disney	044, 128
Durabrand	209
DVD2000	196
Eclipse	141
Emerson	153, 204
Enterprise	204
ESA	158
Funai	153
Gateway	212
GE	045, 197, 202
Go Video	012, 206, 212
Goldstar	094
Gradiente	168, 184
Greenhill	202
Grundig	198
Haier	181
Hitachi	015, 072, 123, 138
Hiteker	201
Ilo	164
Initial	117, 202
Insignia	172
Integra	185, 199
Irradio	098
Jensen	190
JVC	020, 034, 035, 039, 041, 047, 064, 075, 089, 099, 105, 200
Kawasaki	187
Kenwood	184
KLH	060, 170, 187, 202
Koss	083, 186, 193
Landel	211
Lasonic	161
Lenoxx	192, 209
LG	046, 092, 108, 116, 122, 145, 179, 204, 206
Liquid Video	193
Liteon	087, 132, 210, 212
Magnavox	027, 066, 085, 117, 195, 198
Marantz	146, 198
Memorex	018, 044, 213
Microsoft	197
Mintek	117, 202, 205
Mitsubishi	052, 101, 196
NAD	162
Nesa	202
Next Base	211
Nexxtech	169
Norcent	148
Onkyo	109, 185, 195

Oppo	171, 180
Oritron	186, 193
Panasonic	005, 007, 024, 026, 032, 048, 071, 088, 103, 106, 107, 119, 142, 143, 144, 184, 195
Philips	027, 043, 073, 078, 082, 098, 100, 102, 114, 117, 153, 195, 198
Pioneer	022, 056, 076, 081, 093, 149, 199
Polaroid	038, 140, 175
Polk Audio	198
Presidian	153
Prima	178
Proceed	201
Proscan	025, 197
Pye	174
Qwestar	186
RCA	009, 025, 037, 110, 187, 197, 199, 202
Regent	192
Rio	206
Rotel	200
Rowa	188
Sampo	163
Samsung	010, 012, 015, 021, 023, 028, 050, 051, 054, 057, 069, 084, 112, 126, 131, 136, 184
Sansui	147, 173, 213
Sensory Science	212
Sharp	040, 063, 113
Shinco	150
Shinsonic	194, 205
Sonic Blue	206
Sony	003, 004, 008, 014, 016, 017, 033, 055, 058, 067, 079, 086, 097, 129, 139, 194
Sungale	165
Superscan	066
Sylvania	018, 066, 118, 124, 153
Symphonic	018, 153
Teac	164, 187
Technics	184
Techwood	159
Theta Digital	199
Toshiba	001, 006, 011, 013, 019, 031, 036, 042, 053, 068, 070, 074, 090, 095, 111, 121, 125, 130, 195
Trutech	167
Urban Concepts	195
US Logic	205
Venturer	187
Westinghouse	120
Xbox	197
Yamaha	155, 184, 198
Zenith	046, 061, 080, 094, 195, 204, 206

## MANUFACTURER'S CODES

### Setup Codes For DVD Player/VCR Combos

Apex	038, 063
Broksonic	065, 036, 213, 062
CineVision	115, 054
Emerson	153, 064
Funai	153, 064
Go Video	012, 021
Goldstar	094, 043
Hitachi	123, 023
Insignia	172, 042
JVC	075, 012, 035, 026, 038, 039, 028, 099, 044, 105
LG	092, 042, 108, 048
Memorex	213, 062
Panasonic	032, 008, 071, 040, 046

Philips	102, 045, 153, 064
Polaroid	175, 055, 038, 063
Presidian	153, 064
Pye	174, 023
RCA	037, 047, 110, 049
Samsung	051, 030, 012, 015, 021, 028, 022, 084, 041
Sansui	173, 053, 213, 062
Sony	008, 010, 017, 018, 033, 029, 031
Sylvania	018, 023, 118, 051, 153, 064
Symphonic	153, 064
Toshiba	068, 037, 006, 039, 011, 014, 031, 025, 006, 027
Zenith	094, 043, 061, 033

### Setup Codes for Satellite Receivers

Alphastar	057
Artec	095
CaptiveWorks	089
Chaparral	052
Coolsat	090
Digital Stream	100
DIRECTV	050, 051, 060, 064, 065, 070, 071, 072, 073, 074, 077, 078, 079, 101, 102, 103, 105, 106, 108, 110
Dish Network	046, 047, 048, 049, 104, 107, 109, 113
Dishpro	107, 109, 113
Drake	053
Echostar	104, 107, 109, 113, 114
Expressvu	107, 113, 114
General Instrument	054, 111
GOI	113
Hisense	112
Hitachi	058
HTS	113
Hughes Network Systems	050, 061, 065, 78, 102, 101
Humax	091
Ilo	112
Insignia	098
Jerrold	111
JVC	104, 113
LG	080, 094
Magnavox	096, 110
Memorex	110
MicroGem	097
Mitsubishi	065, 086

Motorola	111
Next Level	111
Panasonic	079, 081, 083
Pansat	087
Paysat	110
Philco	096
Philips	061, 072, 101, 102, 110
Pioneer	102
Primestar	056
Proscan	077, 106
Proton	112
Radio Shack	111
RCA	051, 061, 062, 066, 067, 070, 071, 085, 092, 093, 105
Realistic	055
Samsung	061, 074, 076, 102
Sharp	084
Sony	063, 064, 068, 069, 073, 075, 103, 108
Star Choice	111
STS	059
Tivax	099
Tivo	061, 102
Toshiba	078
UltimateTV	103
Uniden	110
US Digital	112
USDTV	112
Viewsat	088
Voom	111
Zenith	082

### Setup Codes for TVs

Abex	023
Acer	185
Admiral	005, 024, 028, 222
Advent	208
Adventura	025
Aiko	012
Akai	006, 049, 174, 184, 188, 196, 215

Albatron	205, 209
Alleron	014
America Action	219
Ampro	207
Amtron	013
Anam	219
Anam National	013

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## MANUFACTURER'S CODES

### Setup Codes for TVs (continued)

AOC	007, 008, 145, 215
Apex	035, 091, 217, 223
Astar	175
Audiovox	013, 130, 131, 136, 172, 219, 221
Aventura	218
Axion	197
Bang & Olufsen	227
Belcor	007
Bell & Howell	005
Benq	163
Bradford	013, 219
Brilliant	225
Brockwood	007
Broksonic	219, 222
bydesign	158
Candle	007, 008, 009, 025, 215
Carnivale	215
Carver	128, 230
CCE	037
Celebrity	006
Celera	223
Centurion	010
Changhong	223
Citizen	007, 008, 009, 012, 013, 020, 022, 215
Clarion	219
Coby	138
Colortyme	007, 008
Commercial Solutions	216
Concerto	007, 008
Contec	219
Contec/Cony	011, 013
Craig	013, 219
Crosley	128, 230
Crown	013, 017, 219
CTX	153
Curtis Mathes	004, 007, 008, 020, 022, 028, 049, 128, 215, 216, 221, 224, 230
CXC	013, 219
Cytron	195
Daewoo	007, 008, 012, 022, 037, 065, 073, 221
Daytron	007, 008, 022
Dell	056, 202, 203
Denon	224
DiamondVision	201
Dimensia	004
Disney	133
Dumont	007, 214
Durabrand	040, 213, 218, 219, 222
Dwin	028, 206
Electroband	006
Electrograph	159
Electrohome	006, 007, 008
Emerson	007, 008, 011, 013, 014, 022, 037, 161, 218, 219, 222
Emprex	181

Envision	007, 008, 215.
Epson	148
ESA	218
Fujitsu	014, 142
Funai	013, 014, 218, 219
Futuretech	013, 219
Gateway	159, 191
GE	004, 007, 008, 015, 016, 030, 055, 084, 216, 221
Gibralter	007, 214, 215
Go Video	212
Goldstar	007, 008, 011, 022, 023, 215
Gradiente	157
Grumpy	013, 014, 219
Haier	156, 190, 200, 213, 229
Hallmark	007, 008
Harman/Kardon	128
Harvard	013, 219
Havermy	028
Hello Kitty	221
Hewlett Packard	125, 137, 143
Hisense	167
Hitachi	007, 008, 011, 074, 077, 090, 107, 108, 224
HP	137, 143
Hyundai	211
Ilo	123, 161, 170, 179
IMA	013
Infinity	017, 128, 230
InFocus	192
Initial	123
Insignia	155, 180
Inteq	214
Janeil	025
JBL	017, 128, 230
JC Penney	004, 007, 008, 009, 015, 016, 020, 022, 023
JCB	006
Jensen	007, 008, 154
JVC	011, 016, 018, 063, 083, 110
Kawasho	006, 007, 008
KEC	219
Kenwood	007, 008, 215
KLH	223
Kloss Novabeam	013, 025
KTV	013, 022, 215, 219
LG	007, 147, 205
Loewe	017
Logik	005
Luxman	007, 008
LXI	004, 008, 017, 128, 216, 217, 230
Magnavox	007, 008, 009, 017, 031, 032, 053, 056, 058, 062, 078, 085, 123, 126, 128, 215, 230
Majestic	005
Marantz	007, 008, 017, 128, 186, 215, 230
Matsushita	220

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### Setup Codes for TVs (continued)

Maxent	159, 168
Megapower	205
Megatron	008, 224
Memorex	005, 008, 222
MGA	007, 008, 215
Midland	016, 022, 023, 214, 216
Mintek	123
Minutz	015
Mitsubishi	007, 008, 028, 066, 072, 080, 114
Monivision	205, 209
Montgomery Ward	005
Motorola	024, 028
MTC	007, 008, 020, 215
Multitech	013, 219
Multivision	019
NAD	008, 217
NEC	007, 008, 152, 161, 186, 215
NET-TV	159, 164
Nikko	008, 012, 215
Norcent	145
NTC	012
Olevia	095, 132, 144, 231
Onwa	013, 219
Oppo	199
Optimus	220
Optoma	193
Optonica	024, 028
Orion	040, 222
Panasonic	016, 017, 042, 081, 098, 100, 102, 105, 111, 120, 220
Penney	215, 216, 217
Philco	007, 008, 009, 011, 017, 128, 129, 215, 230
Philips	007, 009, 011, 017, 031, 032, 034, 059, 062, 075, 078, 082, 115, 117, 119, 122, 123, 128, 230
Philips Magnavox	031, 032, 062, 075, 078, 082
Pilot	007, 022, 215
Pioneer	007, 008, 112
Plasmsync	186
Polaroid	140, 149, 223
Portland	007, 008, 012, 022
Price Club	020
Prima	198, 208
Princeton	205
Prism	016
Proscan	004, 216
Proton	007, 008, 011
Protron	135
Proview	178
Pulsar	007, 214
Quasar	016, 220
Radio Shack	215, 216, 219
Radio Shack/Realistic	004, 007, 008, 011, 013, 022, 023
RCA	004, 007, 008, 027, 039, 051, 084, 216

Realistic	215, 219
Runco	214, 215
Sampo	007, 008, 022, 023, 159, 215
Samsung	007, 008, 011, 020, 022, 023, 036, 049, 086, 087, 097, 101, 113, 127, 215
Sansui	040, 194, 222
Sanyo	007, 166, 187
Sceptre	183
Scotch	008
Scott	007, 008, 011, 013, 014, 171, 219
Sears	004, 007, 008, 014, 018, 026, 128, 160, 216, 217, 218, 230
Sharp	007, 008, 011, 022, 024, 028, 067, 088, 099, 103, 106, 118, 121
Sheng Chia	028
Shogun	007
Signature	005
Simpson	009
Sony	006, 033, 038, 046, 047, 048, 050, 071, 092, 094, 096, 139
Soundesign	007, 008, 009, 013, 014, 219
Squareview	026, 218
SSS	007, 013, 219
Starlite	013, 219
Studio Experience	209
Superscan	028, 085, 176
Supre-Macy	025
Supreme	006
SVA	150, 229
Sylvania	007, 008, 009, 017, 085, 093, 116, 124, 128, 215, 218, 230
Symphonic	013, 026, 218, 219
Syntax	132, 226
Syntax-Brilliant	132, 160
Tandy	024, 028
Tatung	169, 189
Technics	016, 220
Techview	210
Techwood	007, 008, 016
Teknika	005, 007, 008, 009, 011, 012, 013, 014, 020, 022, 128, 219, 230
Telecaption	021
Telefunken	049
TMK	007, 008
TNCi	214
Toshiba	020, 021, 041, 043, 044, 045, 052, 054, 057, 060, 061, 064, 068, 070, 076, 079, 104, 109, 134, 217
Totevision	022
Trutech	165
TVS	222
Universal	015
Vector Research	215
Victor	018

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### Setup Codes for TVs (continued)

Vidikron	128, 230
Vidtech	007, 008
Viewsonic	141, 146, 151, 159, 162, 182, 228
Viking	025
Viore	170
Vizio	173, 177, 204, 228

Wards	004, 005, 007, 008, 014, 015, 017, 128, 215, 230
Waycon	217
Westinghouse	089, 096, 221, 228
White Westinghouse	037, 222
Yamaha	007, 008, 215
Zenith	005, 007, 029, 069, 214, 222

### Setup Codes For TV/DVD Player Combos

Akai	196, 177
Apex	091, 049
Axon	197, 127
Coby	138, 135
Cytron	195, 176
Disney	133, 128
Haier	200, 181
Hitachi	074, 138
Ilo	123, 164
Oppo	199, 180

Polaroid	140
Prima	198, 178
RCA	084, 009
Sansui	194, 147
Sony	139
Sylvania	085, 124, 093, 018
Toshiba	076, 125, 060, 111, 043, 013, 104, 074, 134, 130
Westinghouse	096, 120

### Setup Codes For TV/VCR/DVD Player Combos

DiamondVision	201, 182, 056
Magnavox	085, 066, 035
Panasonic	081, 032, 008

Sharp	121, 113, 050
Superscan	085, 066, 035
Sylvania	085, 066, 035, 116

### Setup Codes For VCRs

ABS	059
Adventura	005
Aiwa	005
Alienware	059
American High	004
Apex	063
Asha	002
Audio Dynamics	000
Audiovox	003
Bang & Olufsen	060
Beaumarck	002
Bell & Howell	001
Broksonic	036, 062
Calix	003
Candle	002, 003
Canon	004
CineVision	054
Citizen	002, 003
Colortyme	000
Craig	002, 003
Curtis Mathes	000, 002, 004
Cybernex	002
CyberPower	059
Daewoo	005, 024
DBX	000
Dell	059
DiamondVision	056
DIRECTV	058, 065, 069, 073
Dish Network	072
Dishpro	072
Durabrand	017

Dynatech	005
Echostar	072
Electrohome	003
Electrosonic	003
Emerson	003, 004, 005, 064
ESA	052
Expressvu	072
Fisher	001, 034
Fuji	004
Funai	005, 023, 064
Garrard	005
Gateway	059
GE	002, 004
Go Video	021
GOI	072
Goldstar	000, 003, 043
Gradiente	005
Harley Davidson	005
Harman/Kardon	000
Headquarter	001
Hewlett Packard	059
Hitachi	023
HNS	058
Howard Computers	059
HP	059
HTS	072
Hughes Network Systems	058, 065
Humax	058, 065
Hush	059
iBUYPOWER	059

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### Setup Codes for VCRS (continued)

Insignia	042
Instant Replay	004
JC Penney	000, 001, 002, 003, 004
JCL	004
JVC	000, 001, 012, 026, 028, 038, 044, 065, 072
Kenwood	000, 001
Kodak	003, 004
LG	003, 042, 048
Linksys	059
Lloyd's	005
LXI	003
Magnavox	004, 016, 017, 035
Magnin	003
Marantz	000, 001, 004
Marta	003
Matsushita	004
Media Center PC	059
MEI	004
Memorex	001, 002, 003, 004, 005, 017, 061, 062
MGN Technology	002
Microsoft	059
Mind	059
Mitsubishi	013
Motorola	004
MTC	002
Multitech	002, 005
NEC	000, 001
Nikko	003
Niveus Media	059
Noblex	002
Northgate	059
Olympus	004
Optimus	003
Orion	061
Panasonic	004, 008, 040, 046, 057
Philco	004
Philips	004, 016, 045, 058, 064, 065, 067
Philips Magnavox	016
Pilot	003
Polaroid	055, 063
Presidian	064
Proscan	032
Pulsar	017
Pye	023
Quarter	001
Quartz	001
Quasar	004
Radio Shack	003

Radio Shack/Realistic	001, 002, 003, 004, 005
Radix	003
Randex	003
RCA	002, 004, 007, 047, 049, 058, 065, 073
Realistic	001, 002, 003, 004, 005
ReplayTV	057, 068
Ricavision	059
Runco	017
Samsung	002, 015, 021, 022, 030, 041, 058
Sanky	017
Sansui	053, 061, 062
Sanyo	001, 002, 034
Sears	001, 003, 004
Sharp	050
Shogun	002
Singer	004
Sonic Blue	057
Sony	006, 009, 010, 011, 018, 029, 031, 059, 066, 070
Stack	059
STS	004
Superscan	035
Sylvania	004, 005, 023, 035, 051, 064
Symphonic	005, 023, 064
Systemax	059
Tagar Systems	059
Tandy	001
Tashiko	003
Teac	005
Technics	004
Teknika	003, 004, 005
Tivo	058, 065, 070
TMK	002
Toshiba	014, 019, 020, 025, 027, 037, 039, 059, 071
Totevision	002, 003
Touch	059
UltimateTV	073
Unitech	002
Vector Research	000
Video Concepts	000
Videosonic	002
Viewsonic	059
Voodoo	059
Wards	002, 003, 004, 005
White Westinghouse	023
XR-1000	004, 005
Yamaha	000, 001
Zenith	017, 033, 043
ZT Group	059